



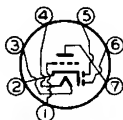
6AQ6

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DUPLEX-DIODE HIGH-MU TRIODE

MINIATURE TYPE

Heater	Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts
Current	0.15	amp.
Direct Interelectrode Capacitances - Triode Unit: ^o		
Grid to Plate	1.8	μf
Grid to Cathode & Heater	1.7	μf
Plate to Cathode & Heater	1.5	μf
Maximum Overall Length		2-1/8"
Maximum Seated Height		1-7/8"
Length from Base Seat		
to Bulb Top (excluding tip)		1-1/2" ± 3/32"
Maximum Diameter		3/4"
Bulb		T-5½
Base [▲]	Miniature Button 7-Pin	
Pin 1 - Triode Grid	Pin 5 - Diode Plate No.2	
Pin 2 - Cathode	Pin 6 - Diode Plate No.1	
Pin 3 - Heater	Pin 7 - Triode Plate	
Pin 4 - Heater		
RCA Socket		Stock No.9914
Mounting Position		Any



BOTTOM VIEW (7BT)

*Maximum Ratings Are Design-Center Values*TRIODE UNIT

Plate Voltage		300 max. volts
D-C Heater-Cathode Potential		90 max. volts
<i>Characteristics - Class A₁ Amplifier:</i>		
Plate Voltage	100	250 volts
Grid Voltage	-1	-3 volts
Amplification Factor	70	70
Plate Resistance	61000	58000 ohms
Transconductance	1150	1200 μmhos
Plate Current	0.8	1.0 ma.

Typical Operation with Resistance Coupling:

Same as for Type 6T7-G in RESISTANCE-COUPLED AMPLIFIER CHART.

DIODE UNITS - Two

For consideration of these units, see Type 6ST7.

^o With close-fitting shield connected to cathode.

[▲] The center hole in sockets for this base provides for the possibility that this tube type may be manufactured with the exhaust-tube tip at the base end. For this reason, it is recommended that in equipment employing this tube type, no material be permitted to obstruct the socket hole.

JUNE 30, 1944

RCA VICTOR DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

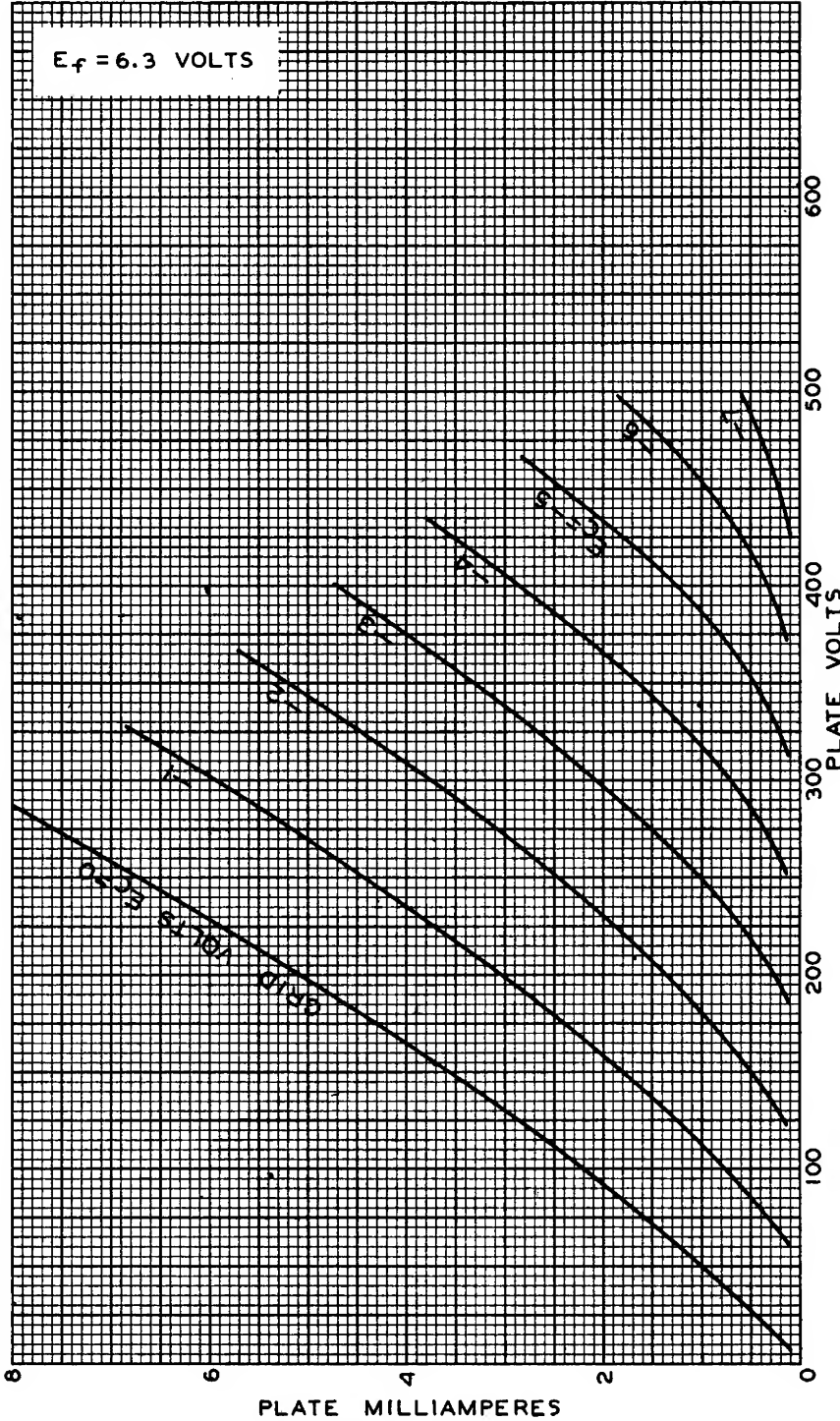
TENTATIVE DATA

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AVERAGE PLATE CHARACTERISTICS
TRIODE UNIT—PLATE CURRENTS UP TO 8 MA.



APR. 7, 1944

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92CM-6551

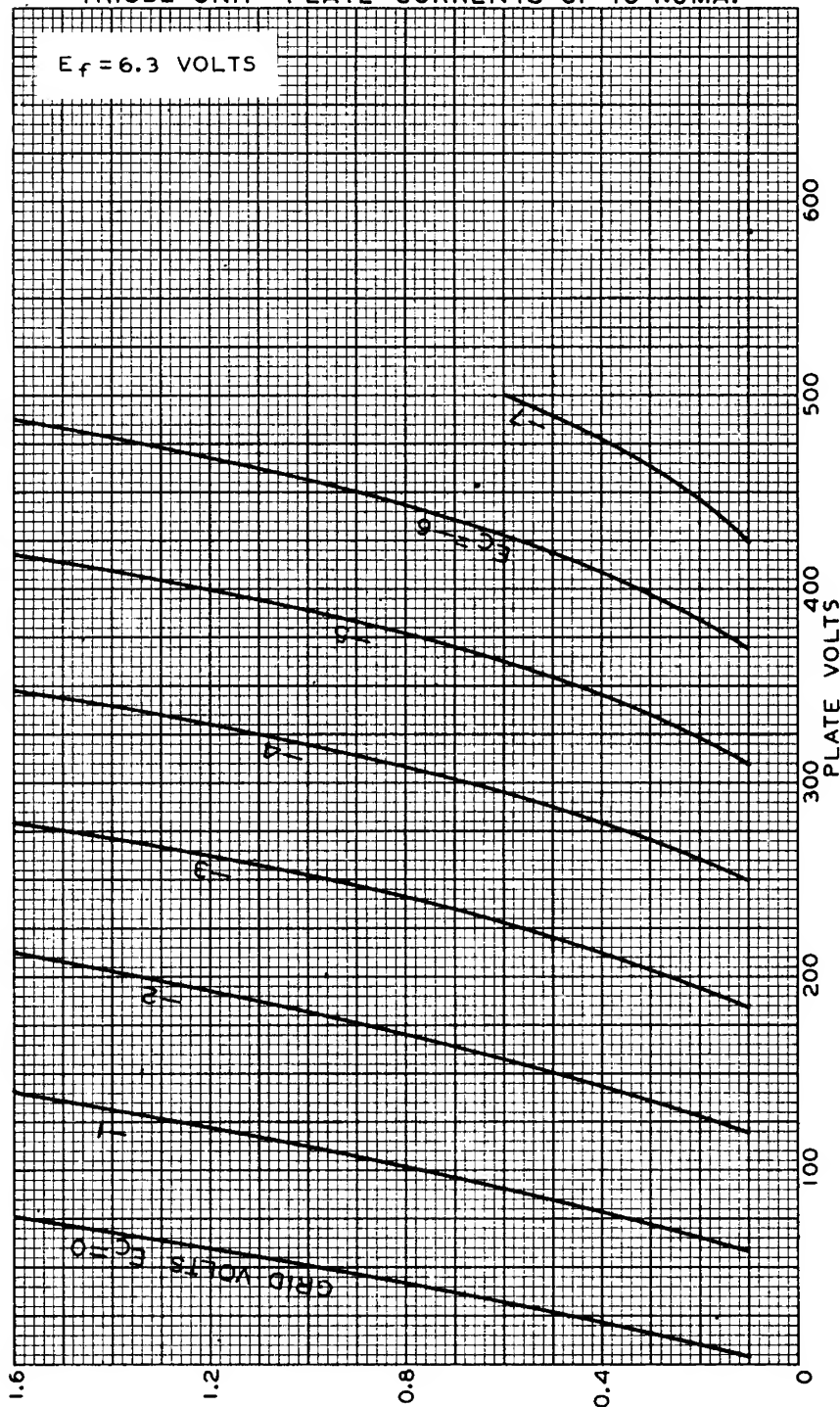


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AVERAGE PLATE CHARACTERISTICS
TRIODE UNIT—PLATE CURRENTS UP TO 1.6 MA.

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$E_f = 6.3$ VOLTS



APR. 8, 1944

PLATE MILLIAMPERES
RCA VICTOR DIVISION
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92CM-6552